# BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2013-14/RD/WORK_INDENT12211/CALL-3

## APPROVED SCHEDULE - B

**No.EE/BTP/BBMP/E-PMT/04/2014-15, Date:17.06.2014**

**Improvements to roads and drains at Balaji layout in ward no. 8 Kodigehalli**

| Sl. No. | Approved Qty. | Description | Unit | Approved Tender Rates of N M SHIVAKUMAR | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 1 | 216.45 | Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications and directions of engineer in charge of the work | Cum | 95.21 | Rupees Ninety Five and Twenty One Paise Only |
| 2 | 67.5 | Removing B.S. Slab Drain and stacking etc complete as per specifications and directions of engineer in charge of the work | Sqm | 52.59 | Rupees Fifty Two and Fifty Nine Paise Only |
| 3 | 67.5 | Refixing stone slabs of drains and pointing in CM (1:3) etc complete as per specifications and directions of engineer in charge of the work | Sqm | 73.51 | Rupees Seventy Three and Fifty One Paise Only |
| 4 | 3.6 | Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs using 40mm and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work | Cum | 4503.24 | Rupees Four Thousand Five Hundred Three and Twenty Four Paise Only |
| 5 | 12.96 | Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work | Cum | 4556.68 | Rupees Four Thousand Five Hundred Fifty Six and Sixty Eight Paise Only |
| 6 | 21.6 | Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work | Sqm | 80.10 | Rupees Eighty and Ten Paise Only |
| 7 | 1.44 | Providing and laying in position plain cement concrete of mix M15 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work | Cum | 4922.68 | Rupees Four Thousand Nine Hundred Twenty Two and Sixty Eight Paise Only |
| 8 | 15 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work | Sqm | 284.50 | Rupees Two Hundred Eighty Four and Fifty Paise Only |

Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560092

| | | | | | |
|---|---|---|---|---|---|
| 9 | 4.97 | Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work | Cum | 5918.93 | Rupees Five Thousand Nine Hundred Eighteen and Ninety Three Paise Only |
| 10 | 3.97 | Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery etc complete as per specifications and directions of engineer in charge of the work | Qtl | 7819.74 | Rupees Seven Thousand Eight Hundred Nineteen and Seventy Four Paise Only |
| 11 | 240 | Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) etc complete as per specifications and directions of engineer in charge of the work | Sqm | 174.55 | Rupees One Hundred Seventy Four and Fifty Five Paise Only |
| 12 | 240 | Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc complete as per specifications and directions of engineer in charge of the work | Cum | 1176.53 | Rupees One Thousand One Hundred Seventy Six and Fifty Three Paise Only |
| 13 | 1200 | Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing etc complete as per specifications and directions of engineer in charge of the work | Sqm | 11.05 | Rupees Eleven and Five Paise Only |
| 14 | 1200 | Providing and applying primer coat from 12.2 to 14.6kg per 10 sqm for surfaces of high porosity over prepared surface of granular base with cut back M.C.-70 or any other bitumen mixed with diesel at 13 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries etc complete as per specifications and directions of engineer in charge of the work | Sqm | 149.10 | Rupees One Hundred Forty Nine and Ten Paise Only |

Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560092

| | | | | | |
|---|---|---|---|---|---|
| 15 | 30 | Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen, etc complete as per specifications and directions of engineer in charge of the work | Cum | 10475.44 | Rupees Ten Thousand Four Hundred Seventy Five and Forty Four Paise Only |
| 16 | 48 | Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface-providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes etc complete as per specifications and directions of engineer in charge of the work | Sqm | 495.32 | Rupees Four Hundred Ninety Five and Thirty Two Paise Only |

**Signature of the Contractor**

**Executive Engineer**
**Byarayanapura Division**
**BBMP, Bangalore - 92**